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(71) Applicant (for all designated States except US): ATOTECH DEUTSCHLAND GMBH [DE/DE]; Erasmusstrasse 20, 10553 Berlin (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BRUNNER, Heiko [DE/DE]; Relaisstrasse 100, 68219 Mannheim (DE). DAHMS, Wolfgang [DE/DE]; Hermsdorfer Strasse 53 A, 13437 Berlin (DE). MORITZ, Thomas [DE/DE]; Leibnizstrasse 58, 10629 Berlin (DE). GRIESER, Udo [DE/DE]; Leuthingerweg 5, 13591 Berlin (DE). ÖZKÖK, Akif [TR/DE]; Müllerstrasse 65 A, 13349 Berlin (DE).

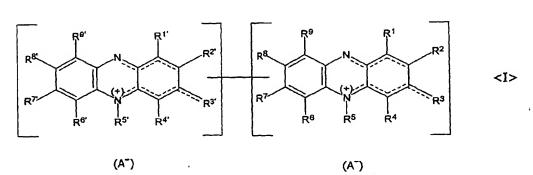
(74) Agent: EFFERT, BRESSEL UND KOLLEGEN; Radickestrasse 48, 12489 Berlin (DE).

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[Continued on next page]

(54) Title: MIXTURE OF OLIGOMERIC PHENAZINIUM COMPOUNDS AND ACID BATH FOR ELECTROLYTICALLY DEPOSITING A COPPER DEPOSIT



$$\begin{bmatrix}
R^{g'} & R^{1} & R^{g'} &$$

(57) Abstract: For the reproducible manufacturing of particularly uniform and brilliant i.e., highly bright copper coatings that are leveled and ductile as well, a copper plating bath is utilized that contains as an additive a mixture of oligomeric phenazinium compounds. The mixture contains at least one phenazinium compound selected from the group comprising compounds containing two monomeric units and compounds containing three monomeric units having the general chemical formulae <I> and <II> set forth in the patent claims and in the specification as well as further oligomeric phenazinium compounds.





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